

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449) 	ATTY. DOCKET NO. 50277-2235	SERIAL NO. 10/648,600
	APPLICANT: Nimit Jain et al.	
	FILING DATE: August 25, 2003	GROUP: 2186 2165

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				


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		Shelley Higgins, Oracle Corporation, "Oracle9i, XML Database Developer's Guide - Oracle XML DB," Release 2 (9.2), October 2002, Part No. A96620-02, pp. 1-1,044 (text provided on CD-ROM).	

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M		2003/0140308	A1	Murthy et al.	07-24-2003	

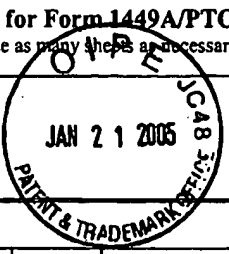
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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 50277-2235	Application Number: 10/648,600
		First Named Inventor: Nimit Jain	
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<i>MP</i>		Ipedo, Inc., "Ipedo XML Database 3.1: Developer's Guide," 2001, XP-002306148, 12 pages.	
<i>MP</i>		Chris Parkerson, "Ipedo XML Database 3.1 Now Available," July 22, 2002, XP-002306149, pp. 1-2.	
<i>MP</i>		Can Türker, "Schema Evolution in SQL-99 and Commercial (Object-) Relational DBMS," 9 th International Workshop on Foundations of Models and Languages for Data and Objects Formado/Demm 2000, September 18, 2000, XP-002306150, pp. 1-32.	
<i>MP</i>		Hong Su et al., "XEM: XML Evolution Management," January 2002, XP-002306151, pp. 1-32.	
<i>MP</i>		Yuan Wang et al., "X-Diff: An Effective Change Detection Algorithm for XML Documents," Proceedings of the 19 th International Conference on Data Engineering (ICDE'03), 2003, IEEE, pp. 519-530.	
<i>MP</i>		Awais Rashid, "A Framework for Customisable Schema Evolution in Object-Oriented Databases," Proceedings of the Seventh International Database Engineering and Applications Symposium (IDEAS'03), 2003, IEEE, 5 pages.	
<i>MP</i>		Xue Li, "A Survey of Schema Evolution in Object-Oriented Databases," 1999, IEEE, pp. 362-371.	
<i>MP</i>		International Search Authority, "Notification of Transmittal of the International Search Report and the Written Opinion of the International Search Authority, or the Declaration," December 8, 2004, International Application No. PCT/US2004/027464, 14 pages.	
<i>MP</i>		"Current Claims of PCT/US2004/027464," pp. 1-7.	

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		Number	Kind Code ² (If known)			
<i>MP</i>		5,295,261		Simonetti	3/1994	395/600
<i>MP</i>		5,467,471		Bader	11/1995	395/600
<i>MP</i>		5,724,577		Exley et al.	3/1998	395/611
<i>MP</i>		5,734,887		Kingberg et al.	3/1998	395/604
<i>MP</i>		5,974,407		Sacks	10/1999	707/2
<i>MP</i>		6,571,231	B2	Sedlar	5/2003	707/1
<i>MP</i>		6,718,322	B1	Brye	4/2004	707/3
<i>MP</i>		6,754,661	B1	Hallin et al.	6/2004	707/100

FOREIGN PATENT DOCUMENTS

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<i>W</i>		2003/0004937	A1	Salmenkaita et al.	01-02-2003		
<i>W</i>		2004/0043758	A1	Sorvari et al.	03-04-2004		
<i>W</i>		2004/0176958	A1	Salmenkaita et al.	09-09-2004		
<i>W</i>		2004/0225680	A1	Cameron et al.	11-11-2004		
<i>W</i>		2005/0050092	A1	Jain et al.	03-03-2005		

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<i>W</i>		Chen, Ruey-Shun et al., "Developing an XML framework for metadata system", Trinity College Dublin, Proc. of the 1 st Inter. Sympo. on Information and Communication, pages 267-272.	
<i>W</i>		Manolescu, Dragos, Review of "Metadata solutions: using metamodels, repositories, XML, and enterprise portals to generate information on demand by Adrienne Tannebaum", 3/2003, ACM Press, Volume 28, Issue 2, page 38.	

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MF		2005/0050105	A1	Idicula et al.	03-03-2005	

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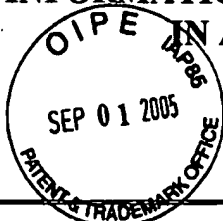
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<i>W</i>		6,675,230	B1	Lewallen	01-06-2004	
<i>W</i>		6,826,568	B2	Bernstein et al.	11-30-2004	

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